

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY


(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

REC'D 13 APR 2006

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Applicant's or agent's file reference P17248-OZI	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No. PCT/EP 03/12541	International filing date (day/month/year) 11.11.2003	Priority date (day/month/year) 11.11.2003	
International Patent Classification (IPC) or national classification and IPC INV. H04M1/57 H04Q7/38			
Applicant TELEFONAKTIEBOLAGET LM ERICSSON (publ) et al			
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 5 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> sent to the applicant and to the International Bureau) a total of 3 sheets, as follows:</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p style="margin-left: 40px;"><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>			
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>			
Date of submission of the demand 01.06.2005		Date of completion of this report 12.04.2006	
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465		Authorized officer Pinilla-Ariza, D Telephone No. +49 89 2399-7095	



**INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY**

International application No.
PCT/EP 03/12541

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the **elements*** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

Description, Pages

1, 3-20	as originally filed
2	filed with telefax on 05.04.2006

Claims, Numbers

1-6	filed with telefax on 05.04.2006
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Drawings, Sheets

1/7-7/7	as originally filed
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- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing

3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages
 - ☐ the claims, Nos.
 - ☐ the drawings, sheets/figs
 - ☐ the sequence listing (*specify*):
 - ☐ any table(s) related to sequence listing (*specify*):
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages
 - ☐ the claims, Nos.
 - ☐ the drawings, sheets/figs
 - ☐ the sequence listing (*specify*):
 - ☐ any table(s) related to sequence listing (*specify*):

* If item 4 applies, some or all of these sheets may be marked "superseded."

**INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY**

International application No.
PCT/EP 03/12541

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-6
	No: Claims	
Inventive step (IS)	Yes: Claims	1-6
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-6
	No: Claims	

2. Citations and explanations (Rule 70.7):

see separate sheet

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following documents:

- D1: WO 01/41405 A (VERSPAGET JOSEPHUS FRANCISCUS) 7 June 2001 (2001-06-07)
- D2: EP-A-0 973 309 (SIEMENS INF & COMM NETWORKS) 19 January 2000 (2000-01-19)
- D3: EP-A-1 296 499 (SAMSUNG ELECTRONICS CO LTD) 26 March 2003 (2003-03-26)
- D4: US 2003/032414 A1 (MELAKU ET AL) 13 February 2003 (2003-02-13)

The present **application** relates to a method for providing multimedia information relating to a user to the terminal of another user when a call is being established.

A similar system is **known** from the disclosure of the document **D1**.

According to this **known** method in **D1** the multimedia information relates to the calling party and is sent to the called party. In that manner the calling party can identify himself to the called party and the called party can chose either to pick up the phone or not. The **problem** with this approach is that the calling party does not receive information relating to the called party, which is also predictable, as the calling party usually knows the called party he wants to contact.

Aim of the present invention is thus to allow a calling party to receive multimedia information regarding to the called party. This is achieved in the present claim 1 by providing subscriber data related to the called party to a core network node. Said data is analysed during the call set up and according to the stored subscriber data, if there is a demand for presenting multimedia information, a multimedia information message related to the called party is sent to the calling party. Said method could be used for e.g. advertising purposes.

However, in the cited documents D1, D2, D3 and D4 there is no suggestion that would make a person skilled in art try to implement a method for providing a calling party with multimedia information relating to a called party.

**INTERNATIONAL PRELIMINARY
REPORT ON PATENTABILITY
(SEPARATE SHEET)**

International application No.

PCT/EP 03/12541

Therefore, the invention as set out in claim 1 meets the requirements of Articles 33(2) to (4) PCT.

Apparatus claim 4 corresponds to claim 1 in terms of apparatus features.

Dependent claims 2, 3, 5 and 6 relate to preferred embodiments of the invention.

Therefore, claims 2 to 6 likewise meet the requirements of Articles 33(2) to (4) PCT.

International application WO 01/41405 discloses a method in that a terminal sends multimedia information related to a calling party to a called parties terminal and by this puts the called party in a better position to decide whether to take call or not.

Summary of the invention

- 5 It is object of the invention to provide an improved method and device for presenting multimedia information. This object is solved by the independent method claim the independent claim on a core network node. Advantageous embodiments are described in the depending claims.

- 10 According to the present invention a method for providing multimedia information related to a calling party to a user of a called party's terminal is presented. The method comprises the steps of: receiving at call setup in the called party's terminal a first message comprising information enabling presenting of multimedia information related to the calling party and an identification of the multimedia information, storing the information enabling the presenting of the multimedia information related to the
- 15 identification of the multimedia information, receiving in the called party's terminal a call setup message comprising the identification of the multimedia information, retrieving the multimedia information according to the identification of the multimedia information, and presenting the multimedia information to the user of the called party's terminal.

- 20 Multimedia information related to a calling party can be e.g. a picture, a video sequence, an audio stream, or a ring tone related to the calling party. It is an advantage of the proposed method that the multimedia information to be presented to the called party can be updated flexibly and can be controlled by the caller.

- 25 In an advantageous embodiment of the invention the first message comprises the multimedia information and the multimedia information is stored related to the received identification. This is a simple method for providing the multimedia information.

Claims

1. Method for providing multimedia information related to a called party to a user of a calling party's terminal (MS-A3), the method being performed by a core network node (CNA2; CN-B3) storing or having access to subscriber data of the called party, the subscriber data comprising an indication for a demand for presenting the multimedia information and the method comprising the steps of:
- receiving in the core network node (CNA2; CN-B3) a call set up message comprising an identification of the called party,
 - recognizing according to the subscriber data and the received identification of the called party the demand for providing the multimedia information, and
 - initiating the providing of the multimedia information related to the called party to the user of the calling party's terminal.
2. Method for providing multimedia information related to a called party to a user of a calling party's terminal (MS-A3) according to claim 1, wherein the subscriber data is related to an IN subscription or a CAMEL subscription of the called party.
3. Method for providing multimedia information according to any of the claims 1 - 2, wherein the call set up message is appropriate for setting up a circuit switched call and the initiating providing the multimedia information is an initiating providing the multimedia information using a packet switched connection.
4. Core network node (CNN) for providing of multimedia information related to a called party to a user of calling party's terminal, the core network node (CNN) comprising means (SDS) for storing or providing access to subscriber data of the called party, the subscriber data comprising an indication for a demand for presenting the multimedia information, the core network node comprising an interface (SI2) for sending messages, an interface (RI2) for receiving messages, and a processing system (PS2) for processing said messages, the processing system (PS2) being adapted to process a

received call set up message comprising an identification of the called party, to recognize according to the received identification of the called party the demand for the providing of the multimedia information, and to initiate the providing of the multimedia information related to the called party to the user of the calling party's terminal.

5

5. Core network node (CNN) for providing multimedia information related to a called party to a user of a calling party's terminal (MS-A3) according to claim 4, wherein the subscriber data is related to an IN subscription or a CAMEL subscription of the called party.

10 6. Core network node (CNN) for providing of multimedia information related to a called party to a user of a calling party's terminal according to any of the claims 4 and 5, wherein the call set up message is appropriate for setting up a circuit switched call and the processing system is adapted to initiate a providing of the multimedia information using a packet switched connection.

15